Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Currently Amended) An electro-optical device, comprising:
 a plurality of pixels, each of the plurality of pixels having an electro-optical
 element, brightness of each of the electro-optical elements being set for each of a plurality of
 sub-frames, which constitute one frame of a period and each have a predetermined period, so
 that at least two levels of brightness can be set for one frame, and the plurality of sub-frames
 including at least two sub-frames having the same period of length; and
- a sub-frame having a longest period among the plurality of sub-frames being divided into at least two allocated sub-frames, and at least a sub-frame among the plurality of sub-frames having a period shorter than the allocated sub-frames being disposed between the at least two allocated sub-frames.
- 2. (Currently Amended) The electro-optical device according to Claim 1,
 the at least two sub-frames having the longest period among the plurality of
 sub-framesthea sum of the period of the at least two allocated sub-frames being set to 2ⁿ times
 as long as a sub-frame having a shortest period among n (n denotes a natural number) subframes of the plurality of sub-frames.
- 3. (Currently Amended) The electro-optical device according to Claim 2, a sub-frame having the a longest period among the plurality of sub-frames-sub-frames, excluding the at least two allocated sub-frames, sub-frames being half as long as the sub-frame having the longest period among the plurality of sub-frames.
- 4. (Currently Amended) The electro-optical device according to Claim 1, the at least two allocated sub-frames not being arranged consecutively in one frame of a period.
- 5. (Currently Amended) An electro-optical device, comprising:

 a plurality of pixels, each of the plurality of pixels having an electro-optical element, brightness of the electro-optical element being set for each of a plurality of sub-frames, which constitute one frame of a period and each have a predetermined period, so that at least two levels of brightness can be set for one frame, and lengths of the plurality of sub-frames excluding two sub-frames-a sub-frame having the-a longest period being set to a period in binary weighted; and

	the sub-frame having the longest period among the plurality of sub-frames
being divided	into at least two allocated sub-frames, and at least a sub-frame among the
plurality of su	b-frames having a period shorter than the allocated sub-frames being disposed
between the a	t least two allocated sub-frames.
6.	(Currently Amended) The electro-optical device according to Claim 5,
	the two <u>allocated</u> sub-frames having the longest period-not being arranged
consecutively	in one frame of a period.
7.	(Currently Amended) An electro-optical device, comprising:
	a plurality of pixels, each of the plurality of pixels having an electro-optical
element, brigh	ntness of the electro-optical element being set for each of a plurality of sub-
frames, which	constitute one frame of a period and each have a predetermined period, so that
at least two le	vels of brightness can be set for one frame, and
	a sub-frame having a longest period among the plurality of sub-frames being
divided into a	t least two allocated sub-frames, and at least a sub-frame among the plurality of
sub-frames ha	iving a period shorter than the allocated sub-frames, being disposed between the
at least two al	located sub-frames, and
	_a sub-frame having the-a_longest period among n (n denotes a natural number)
sub-frames of	the plurality of sub-frames sub-frames, excluding the at least two allocated sub-
frames having	the longest period, sub-frames, being set to 2n-12 ⁿ⁻¹ times as long as a sub-
frame having	the a shortest period among the n sub-frames-sub-frames, and
	_brightness for the one frame can be set to 2 ⁿ⁺¹ 2n+1 levels, and levels.
8.	(Currently Amended) The electro-optical device according to Claim 7,
	the two allocated sub-frames having the longest period not being arranged
consecutively	in one frame of a period.
9-10.	(Cancelled)
11.	(Currently Amended) An electro-optical device, comprising:
	a plurality of pixels, each of the plurality of pixels having an electro-optical
element, brigl	ntness of the electro-optical element being set for each of a plurality of sub-
frames, which	constitute one frame of a period and each have a predetermined period, so that
at least 2n- 2 ⁿ	(n denotes a natural number) levels of brightness can be set for one frame, and
	a number of the plurality of sub-frames being $n + 1$ or more, and

divided into at least two allocated sub-frames, and at least a sub-frame among the plurality of

a sub-frame having a longest period among the plurality of sub-frames being

sub-frames having a period shorter than the allocated sub-frames being disposed between the at least two allocated sub-frames.

- 12. (Currently Amended) The electro-optical device according to Claim 11, a sub-frame having the <u>a</u> longest period among the plurality of sub-frames sub-frames, excluding the at least two allocated sub-frames, being 2ⁿ⁻¹ 2n-1-times as long as a sub-frame having the <u>a</u> shortest period.
- 13. (Currently Amended) An electro-optical device, which is capable of setting at least two levels of brightness for one frame, the electro-optical device comprising:

electro-optical elements that <u>are</u> controlled to take either an ON state or an OFF state based on gray scale data for each of a plurality of sub-frames, which constitute one frame of a period and each have a predetermined period, and at least two of the plurality of sub-frames being controlled to always concurrently take either the ON state or the OFF state; and

a sub-frame having a longest period among the plurality of sub-frames being divided into at least two allocated sub-frames, and at least a sub-frame among the plurality of sub-frames having a period shorter than the allocated sub-frames being disposed between the at least two allocated sub-frames.

- 14. (Currently Amended) The electro-optical device according to Claim 13, the at least two <u>allocated</u> sub-frames having the same period of length.
- 15. (Currently Amended) The electro-optical device according to Claim 13, the at least two <u>allocated</u> sub-frames not being arranged consecutively in one frame of a period.
- 16. (Original) The electro-optical device according to Claim 1,
 the plurality of sub-frames, which are set for a series of pixels among the
 plurality of pixels, the series of pixels being connected to one scanning line, starting and
 ending substantially simultaneously.
- 17. (Original) The electro-optical device according to Claim 1,
 the plurality of sub-frames, which are set for a series of pixels among the
 plurality of pixels, the series of pixels being connected to at least two scanning lines, ending
 substantially simultaneously.
- 18. (Original) The electro-optical device according to Claim 16, further comprising pixel circuits, each of the pixel circuits including:

a first transistor put into a conductive state when the scanning line thereof is selected;

a capacitor element holding a data signal supplied through the first transistor; a second transistor switched to an ON state or an OFF state based on the data signal held in the capacitor element; and

an electronic element to which a driving current is supplied based on the ON state of the second transistor.

- 19. (Original) The electro-optical device according to Claim 18, the electronic element being a current-driven element.
- 20. (Original) The electro-optical device according to Claim 19, the current-driven element being an EL element.
- 21. (Original) The electro-optical device according to Claim 20, the EL element having a light-emitting layer formed of an organic material.
- 22. (Currently Amended) A method of driving an electro-optical device that includes a plurality of pixels, each of the plurality of pixels having an electro-optical element, the method comprising:

setting brightness of the electro-optical element for each of a plurality of subframes, which constitute one frame of period and each have a predetermined period, so that at least two levels of brightness can be set for one frame, the plurality of sub-frame including at least two sub-frames having the same period of length; and

when the at least two sub-frames are set, arranging the at least two sub-frames so as not to be adjacent to each other;

dividing a sub-frame having a longest period among the plurality of subframes into at least two allocated sub-frames, and

disposing at least a sub-frame among the plurality of sub-frames having a period shorter than the allocated sub-frames between the at least two allocated sub-frames.

23. (Currently Amended) A method of driving an electro-optical device that includes a plurality of pixels, each of the plurality of pixels having an electro-optical element, the method comprising:

setting brightness of the electro-optical elements for each of a plurality of subframes, which constitute one frame of period and each have a predetermined period, so that at least two levels of brightness can be set for one frame, lengths of the plurality of sub-frames

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and load,	
when the two sub-frames are set, arranging the two sub-frames so as not to be	
adjacent to each other;	
dividing the sub-frame having the longest period among the plurality of sub-	
frames into at least two allocated sub-frames, and	
disposing at least a sub-frame among the plurality of sub-frames having a	
period shorter than the allocated sub-frames between the at least two allocated sub-frames.	
24. (Currently Amended) A method of driving an electro-optical device that	
includes a plurality of pixels, each of the plurality of pixels having an electro-optical element,	
the method comprising:	
setting brightness of the electro-optical elements for each of a plurality of sub-	
frames, which constitute one frame of period and each have a predetermined period, so that at	
least two levels of brightness can be set for one frame,	
dividing a sub-frame having a longest period among the plurality of sub-	
frames into at least two allocated sub-frames,	
disposing at least a sub-frame among the plurality of sub-frames having a	
period shorter than the allocated sub-frames between the at least two allocated sub-frames,	
setting a sub-frame having the-a longest period among n (n denotes a natural	
number) sub-frames of the plurality of sub-frames sub-frames, excluding the at least two	
allocated sub-frames sub-frames, having the longest period, being set to 2 ⁿ⁻¹ 2n-1 times as	
long as a sub-frame having the a shortest period of the n sub-frames; and, and	
when the two sub-frames are set, arranging the two sub-frames so as not to be	
adjacent to each other, and	
setting brightness for one frame being set to 2 ⁿ⁺¹ 2n+1 levels; and levels.	
25. (Cancelled)	
26. (Currently Amended) A method of driving an electro-optical device that	
includes a plurality of pixels, each of the plurality of pixels having an electro-optical element,	
the method comprising:	
setting brightness of the electro-optical element for each of a plurality of sub-	

frames, which constitute one frame of <u>a</u> period and each have a predetermined period, so that at least $\frac{2n}{2}$ (n denotes a natural number) levels of brightness are set for one frame <u>with the</u>

number of the plurality of sub-frames being n + 1 or more,;

dividing a sub-frame having a longest period among the plurality of subframes into at least two allocated sub-frames, disposing at least a sub-frame among the plurality of sub-frames having a period shorter than the allocated sub-frames between the at least two allocated sub-frames, always concurrently putting predetermined the at least two allocated subframes into a set state or a non-set state, the number of the plurality of sub-frames being n+1 or more; and state, and when being in the set state, arranging the two sub-frames so as not to be adjacent to each other, and setting brightness for one frame being settable to 2n-2n levels; levels. (Original) The method of driving an electro-optical device according to Claim 27. 22, the plurality of sub-frames, which are set for a series of pixels among the plurality of pixels, the series of pixels being connected to one scanning line, starting and ending substantially simultaneously. (Original) The method of driving an electro-optical device according to Claim 28. 22, the plurality of sub-frames, which are set for a series of pixels among the plurality of pixels, the series of pixels being connected to at least two scanning lines, ending substantially simultaneously. (Original) The method of driving an electro-optical device according to Claim 29. 27, the electro-optical device including pixel circuits, each of the pixel circuits including: a first transistor put into a conductive state when the scanning line thereof is selected; a capacitor element holding a data signal supplied through the first transistor; a second transistor controlled to take an ON state or an OFF state based on the data signal held in the capacitor element; and an electronic element to which a driving current is supplied based on the ON state of the second transistor.

(Original) An electronic apparatus, comprising: the electro-optical device according to Claim 1.

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